

# Peter J. Li

I go by Pete, and I'm a Systems Software Engineer.

github.com/peteli3  
linkedin.com/in/peteclimbs  
(516) 652-3985  
pl.climbs@gmail.com

## EXPERIENCE

### Akamai — Senior Software Engineer

DEC 2022 - PRESENT | Remote | Key Management Infrastructure

- Implemented multiple OAuth flows in core secrets management APIs to improve security posture
- Modernized a high-use CLI for distribution and REST API for self service, reducing our request burden on SREs by over 50%
- Created video demos to promote team offerings and recommended secrets management practices
- Enabled trusted workloads in Linode (new Compute platform) to access Akamai APIs via managed proxy

### Akamai — Software Engineer II

JUL 2019 - DEC 2022 | Remote | Key Management Infrastructure

- Integrated our services with Azure and AWS IAM to standardize secrets handling in hybrid cloud development at Akamai
- Created and maintain general-purpose libraries that simplify both human and machine authentication to Azure and AWS
- Forked and productized OSS hashicorp/vault into a SaaS offering for the Akamai Private Cloud project, which reduced cloud spend by >\$10m in its first year in production

### Akamai — Software Engineering Intern

JUN 2018 - AUG 2018 | Cambridge, MA | Key Management Infrastructure

- Shipped a highly-requested search bar feature for my team's web UI to production, built with Elasticsearch

## PROJECTS

### Buildings App

AUG 2023 - PRESENT | Self

- Actively using and developing a web app for my family's small Rental Property Management business (~60 units)
- Built in NextJS+Pocketbase, hosted at negligible cost on Linode
- SaaS ready!

### P4\_16 Portable Switch Architecture

JAN 2019 - JUN 2019 | P4 Language Consortium

- Made significant OSS contributions to the P4 compiler and bmv2 network switch simulator to support the new PSA specifications
- Led a team of 8 – we completed the project to the satisfaction of the P4 Architecture WG, and presented at ONF P4 Workshop 2019

## LANGUAGES

Python | Go | Rust | JavaScript  
SQL | C | C++ | OCaml | P4  
Swift | Obj-C

## INTEREST AREAS

Distributed Systems, Security,  
Networks, Cloud Architecture,  
Open Source, Programming  
Languages, UX, DX, Teaching

## TECHNOLOGIES

Linux | Git | Vim | Docker  
Linode | Azure | AWS  
Vault | Terraform  
React | Svelte | HTMX

## EDUCATION

### Cornell University

Ithaca, NY | AUG 2018 - MAY 2019

M.Eng in Computer Science  
CS Teaching & Research

### Cornell University

Ithaca, NY | AUG 2014 - MAY 2018

B.S. in Computer Science  
CS Teaching

## HONORS

- Dean's List x4
- Excellence in teaching